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(12) **ABSTRACT OF INVENTION**

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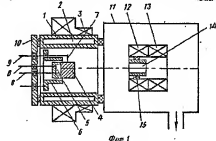
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(54) DEVICE FOR APPLICATION OF COATINGS ONTO INNER SURFACE OF LONG-SIZED CYLINDRICAL PRODUCTS

(57) Abstract:

FIELD: mechanical engineering.
SUBSTANCE: device uses aligned anode in the form of a tube, accelerating coil 3 and consumable cathode 4. Arranged in alignment with the cathode is coil 13 connected in opposition to coil 3, and additional coil 12 enveloping worked surface 14 of the product and connected in series with coil 3. Part of plasma current in vacuum chamber is picked up by magnetic field of coil 12, thus increasing the concentration of particles at the inlet to the space of the worked product, due to which the device capacity is enhanced. Uniformity of coating on the inner cylindrical surface of the product is ensured by the magnetic field of coil 13

connected in opposition to accelerating coil 3. EFFECT: enhanced capacity of the device and uniformity of coatings on the inner surface of long-sized cylindrical products. 4 dwg



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